

WHAT IS CLAIMED IS:

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1. A focus detecting device for use in an image pickup optical unit, comprising
first photoelectric conversion means for performing photoelectric conversion of a light beam emitted from a first pupil area of said image pickup optical unit;
second photoelectric conversion means for performing photoelectric conversion of a light beam emitted from a second pupil area different from said first pupil area;
light intercepting means having openings for allowing passage of a portion of light in said first pupil area and for allowing passage of a portion of light in said second pupil area; and
detecting means for detecting a focus condition of said image pickup optical unit on the basis of photoelectric conversion outputs of said first photoelectric conversion means and said second photoelectric conversion means.
 2. A device according to claim 1, wherein said light intercepting means is detachable with respect to an optical path of said image pickup optical unit.
 3. A device according to claim 1, wherein said first photoelectric conversion means has a plurality of

4. A device according to claim 3, wherein color filter means is placed in front of said photoelectric conversion elements.

5. A device according to claim 1, wherein said light intercepting means is set in an optical path of said image pickup optical unit at the focus detection by said detecting means.

6. A device according to claim 1, further comprising a signal processing circuit for producing an image signal by adding a photoelectric conversion signal from said first photoelectric conversion means and a photoelectric conversion signal from said second photoelectric conversion

means.

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